

# **METHOD AND APPARATUS FOR SPARKLE REDUCTION USING A SPLIT LOWPASS FILTER ARRANGEMENT**

## **ABSTRACT**

A circuit (10) for reducing errors due to adjacent pixel interdependence in a liquid crystal display includes a decomposer (12) for dividing an input signal into a plurality of signals having at least a high brightness signal and a low brightness signal, a delay match circuit (14) for the high brightness signal a split low pass filter arrangement (25) for the low brightness signal, and a combiner (24) for combining the delay matched high brightness signal and the filtered low brightness signal to provide an output, wherein the output signal has reduced sparkle.